

## **LINE TROUBLE SHOOTER**

### **PURPOSE AND NATURE OF WORK**

Position is responsible for performing skilled independent work in response to trouble or service calls from electrical utility customers. Position is subject to 24-hour call and work is sometimes hazardous. The objective is the effective performance of a variety of installation, repair, and replacement work on calls passed on by a dispatcher, or problems discovered by power line patrols. Work involves diagnosis and problem solving of a variety of power distribution problems in the field. The incumbent works independently and, when necessary, may supervise the work of a line crew called out to help correct a power problem. The work is subject to review by a technical superior.

**ILLUSTRATIVE EXAMPLES OF WORK** (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Locates source of electric power-line disturbance or failure and replaces or repairs defective conductors and accessories. Tests power-lines and auxiliary equipment to identify defective voltage regulators, transformers, switches and related accessories causing line disturbances, such as voltage fluctuation, through the use of electrical testing instruments. Climbs poles to repair or replace overhead conductors, switches, transformers, fuses and related equipment, using precautionary work methods and insulated tools, ladders and platforms when working on or near energized circuits. Opens switches to de-energize disturbed or fallen lines to facilitate repairs or to remove electrical hazards. Makes repairs to damaged street lights. Installs watt-hour meters and connects service drops between power-line and consumer. Supervises the work of a line crew on major trouble calls in the absence of a Lineman Foreman.

Performs related work as required.

### **NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS**

Considerable knowledge of the municipal electrical distribution system.  
Considerable knowledge of the standard methods, materials, tools and equipment used in the maintenance and repair of high and low voltage electric transmission and distribution.  
Knowledge of the occupational hazards and safety precautions of the work.  
Ability to locate, diagnose and repair defects in the electrical distribution system, independent of supervision.  
Ability to climb poles and work efficiently at varying heights.  
Ability to be alert and observant, and to work under stress and adverse conditions for extended periods of time and at irregular hours.  
Ability to understand and execute oral and written instructions.  
Ability to supervise the work of subordinates.  
Skill in the uses of standard office equipment and computer programs in area of work assignment.  
Ability to establish and maintain effective relationships with superiors and other employees.  
Skill in the use and care of the tools, equipment and materials used in electrical distribution work.

### **DESIRABLE TRAINING AND EXPERIENCE**

Graduation from high school, supplemented by formal training courses covering electricity, meters, relays, oil circuit breakers, transformers, and related equipment; and considerable experience in overhead and underground electrical distribution work, including some experience supervising the work of others; or any equivalent combination of training and experience.

### **NECESSARY SPECIAL REQUIREMENT**

Possession of the appropriate class driver's license, as required by the State of Louisiana.